2 -Wire Prestige video system

596KP User Manual

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Programming the 596KP keypad
Basic set up configuration

The manual for the 596KP is quite in-depth so please refer to the basic set-up as written below but also please read the manual carefully

Both door panel and video monitor have DIP switches to the rear of them which are used for different configurations, mainly they are used if you have multi door panel installations. If you have the basic system of 1 x door panel and 1 x video monitor then you do not need to worry about the DIP switches at all, they should all be set to the OFF position

To program the 596KP keypad for basic set up configuration in less than two minutes you will need to enter the program mode by entering the master default code

The default master code is 1234, so you would press 1234# (1 x hash)
The Red LED will light up to confirm you are now in the programming mode

If you do not press any button for up to 60 seconds the keypad will exit from the programming mode

To manually exit from the programming mode press the * key (1 x star)

To program a user code only – example code 9009
Enter the programming mode by pressing the master code of 1234# (1 x hash)
Press 21# – this is user code position 1
Press 9009# – this is your new user code, if successful the keypad will bleep twice
Press * to exit (1 x star)
Press the user code 9009# to test and the Red LED will light to confirm relay one is activated

To program the lock release timer
Enter the programming mode by pressing the master code of 1234# (1 x hash)
Press 03# then 09# for 9 seconds
Press * to exit (1 x star)
Enter 9009# and the keypad Red LED will light up for 9 seconds

To change the master default code of 1234 to 5678 (or your chosen number)
Enter the programming mode by pressing 1234# (1 x hash)
Press 01#
Press 5678# – this is your new master code, if successful the keypad will bleep
Press * to exit (1 x star)

Important:
do NOT forget your new mater code as you cannot reset the keypad without the master code

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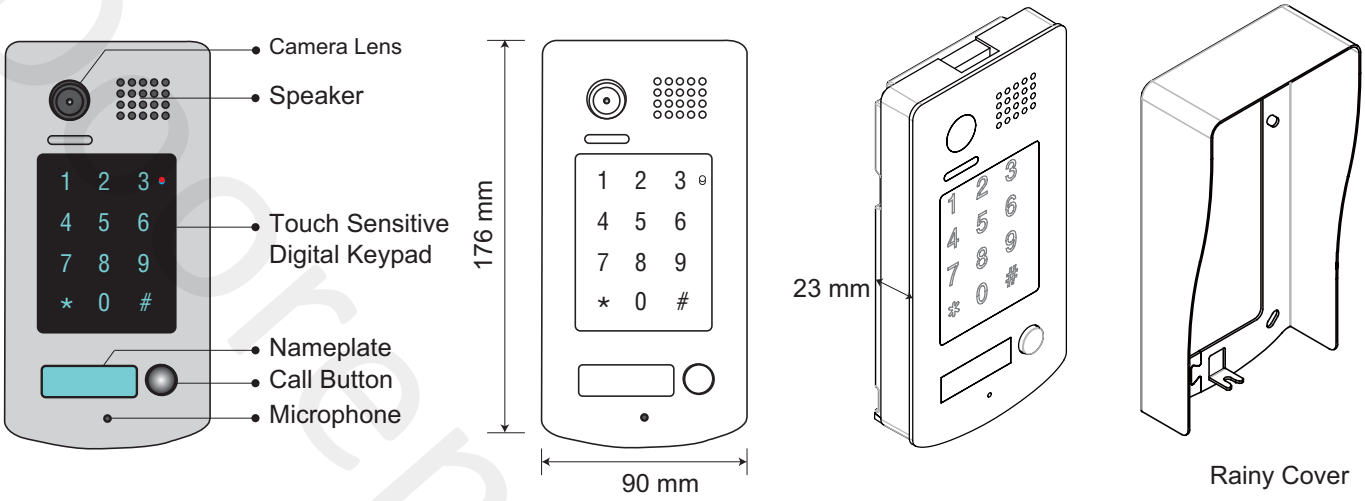
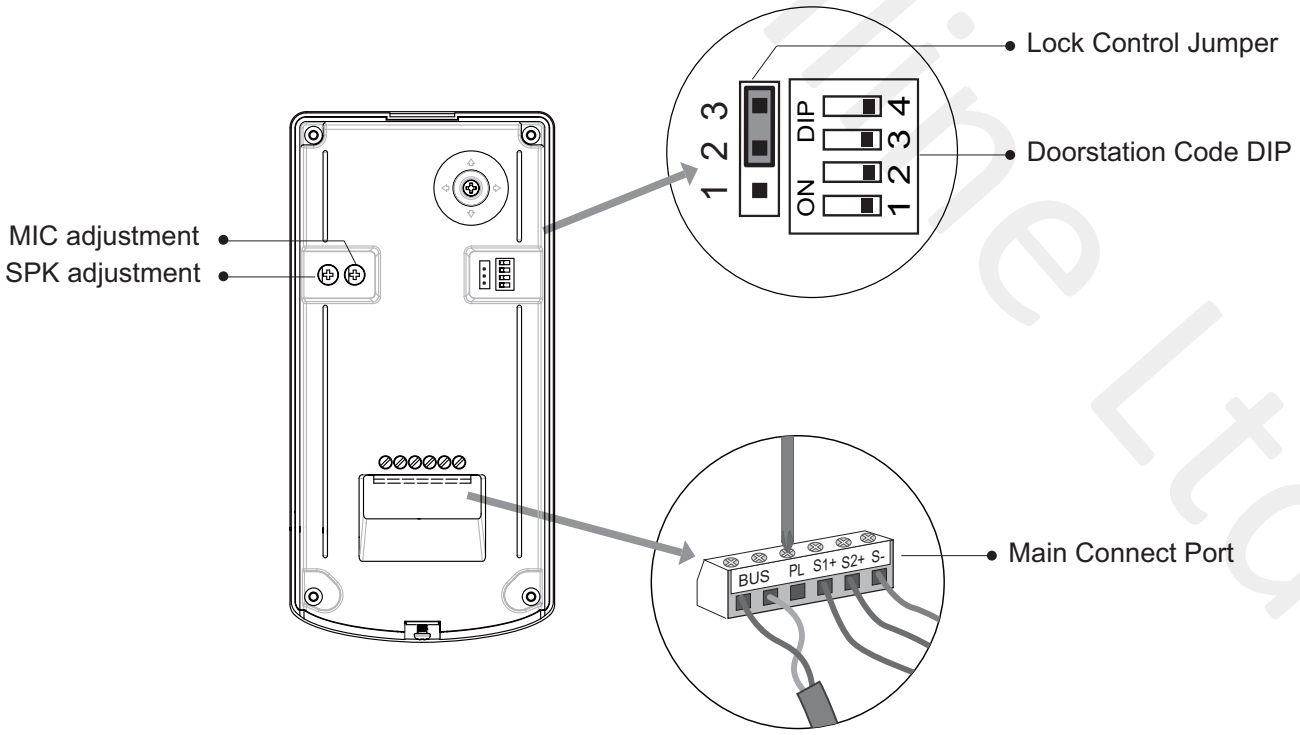
1.Parts and Functions



2.Terminal Descriptions



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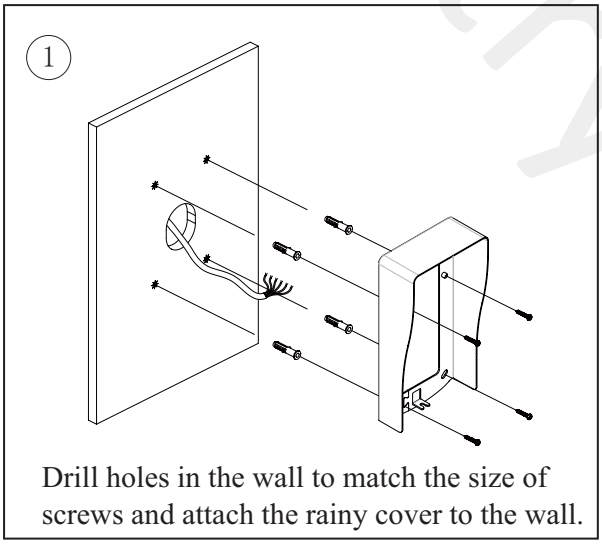
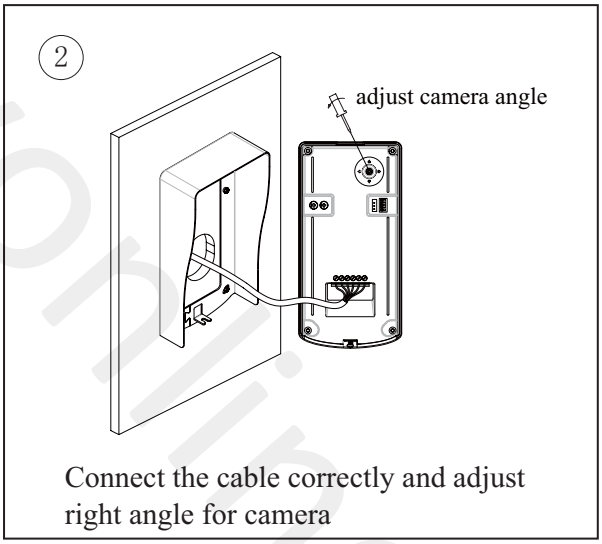
- **Lock Control Jumper:** To select the lock type: see section 5
- **Doorstation Code DIP:** Total 4 door stations can be supported,see section 6
- **MIC**: Adjust the volume of Microphone
- **SPK**: Adjust the volume of Speaker
- **Main Connect Port:** To connect the bus line and the electronic locks.
- BUS: Connect to the bus line, no polarity.
- PL: External lock power input, connect to the power positive(power +).
- S1+, S2+: Lock power(+) output, to connect 2 locks.
- S-: Lock power(-) output, connect to the power(-) input of locks(only when using the camera to power the locks, if using the external power supply for the locks, the S- will not be connected).

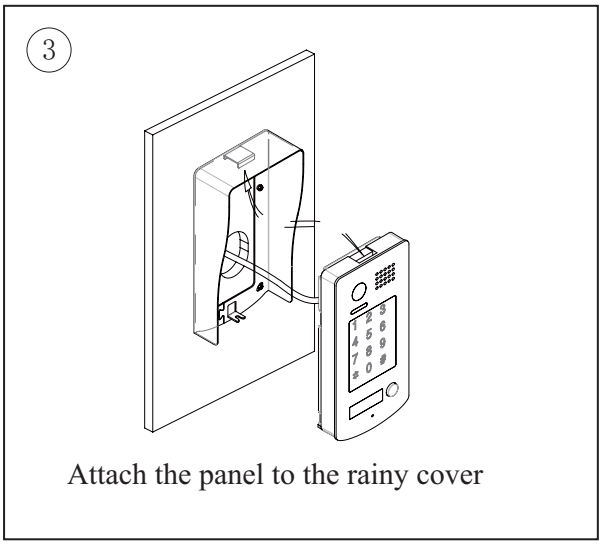
4.Door Station Mounting



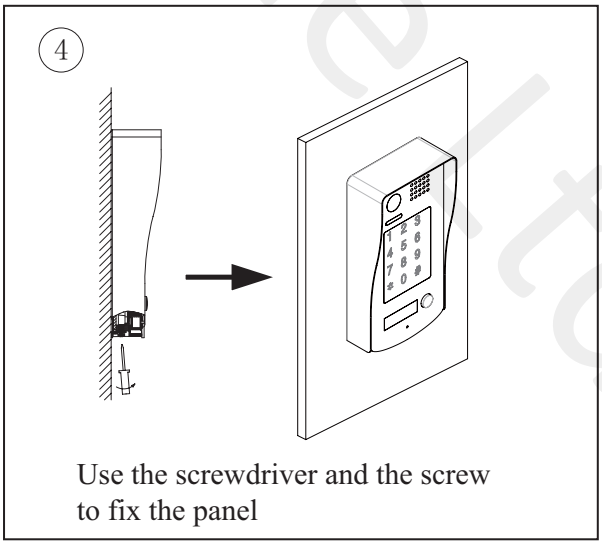
Drill holes in the wall to match the size of screws and attach the rainy cover to the wall.



Connect the cable correctly and adjust right angle for camera



Attach the panel to the rainy cover



Use the screwdriver and the screw to fix the panel

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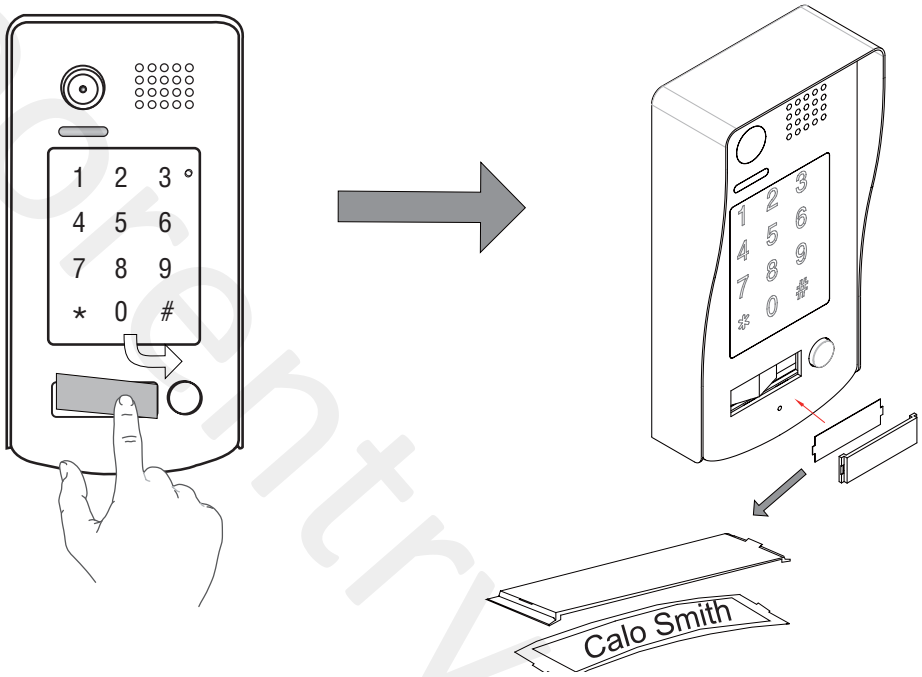
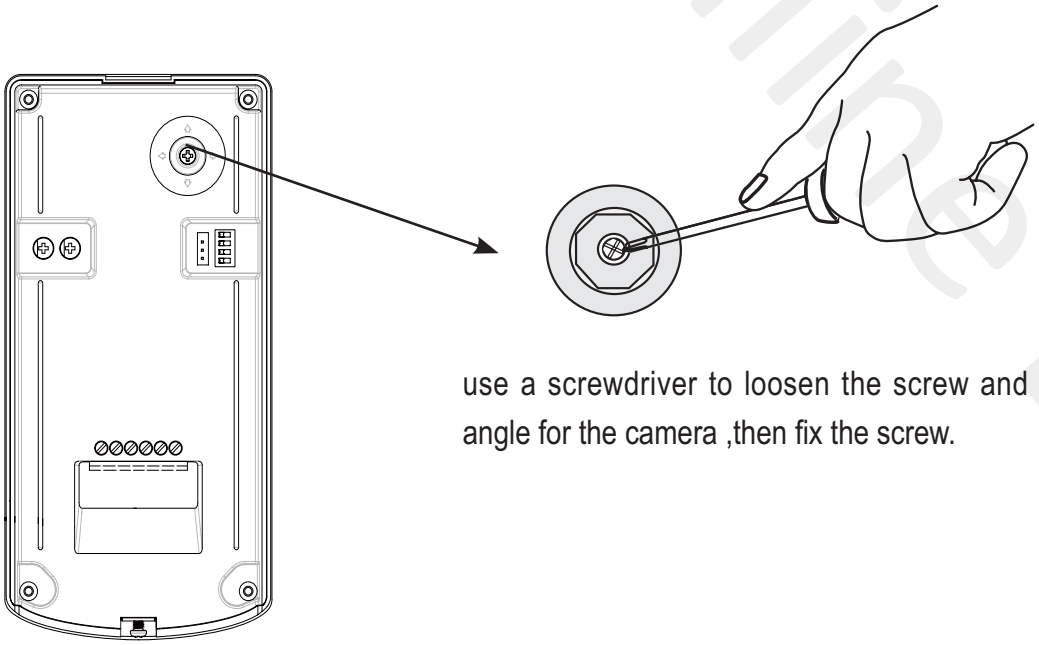
Placing Name Label

Move the plastic cover away to open the transparent name label cover, insert a name paper, then put the plastic cover back to the panel.



Adjusting Camera Angle



use a screwdriver to loosen the screw and adjust the angle for the camera ,then fix the screw.

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Order	Setting items	Setting range	Default value	Setting code
1	Reset all settings	1,2,3,4	-	00
2	Setting the master code	1 ~ 12 digits Valid keys:0 ~ 9	1,2,3,4	01
3	Setting the key illumination time	10 to 99 seconds/ continually lit	10 seconds	02
4	Setting the unlock time	01 to 99 seconds	1 seconds	03
5	Setting the unlock mode	0:opened/1:closed	opened	04
6	Operation tone settings	0:on/1:off	on	05
7	Reset code settings	1,2,3,4	-	06
8	⁎&# function settings	0:Normal/1:Reverse	Normal	07
9	Call tone settings	0:Enable/1:Disable	Enable	08
10	Interference resistant grade settings	Valid keys:0 ~ 5	2	09
11	Reserve(not used)	Reserve	Reserve	10~17
12	Setting the code forTemporary1	1 ~ 12 digits Valid keys:0~9	-	18
13	Setting the code forTemporary2	1 ~ 12 digits Valid keys:0~9	-	19
14	Setting the code for user group1	1 ~ 12 digits Number of codes:40 Valid keys:0~9	-	20~59
15	Setting the code for user group2	1 ~ 12 digits Number of codes:40 Valid keys:0~9	-	60~99

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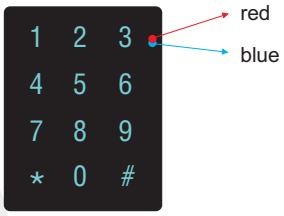


Each operation is indicated by the lighting up of the LED indicators on the right section of the unit, and by the sounding of the buzzer.

Input the master code.
(Default: [**1 2 3 4**] +[#])

(red) ON (blue) OFF
● ○ Beep+, Beep

1.Reset all settings	2.Setting the master code (Default：1234)	3.Setting the key illumination time (Default：10s)	4.Setting the unlock time (Default：1s)
Input the setting code. 00+#	Input the setting code. 01+#	Input the setting code. 02+#	Input the setting code. 03+#
(red) ON (blue) ON ● ● Beep+, Beep	(red) ON (blue) ON ● ● Beep+, Beep	(red) ON (blue) ON ● ● Beep+, Beep	(red) ON (blue) ON ● ● Beep+, Beep
Inputting of code 1234+#	Inputting of new master code (ex.: 4321)(1~12 digits) 4321+#	Inputting of code (ex.: 10) range:00 or 10~99 10+#	Inputting of code (ex.: 09) range:01~99 09+#
(red) ON (blue) OFF ● ○ Beep+	(red) ON (blue) OFF ● ○ Beep+	(red) ON (blue) OFF ● ○ Beep+	(red) ON (blue) OFF ● ○ Beep+

- **When the “ * cancel” key is pressed, the LED lights off, the buzzer beeps, and the system exits the setting mode**
- **When there isn’t any operation in 10s, the LED lights off, the buzzer beeps, and the system exits the setting mode**

(red) OFF (blue) OFF ○ ○ Beep, Beep+

- All settings will restore to their default value.
- When power on or activate the reset all setting item,the keypad checking will carry out, during this time,the key illumination will blink and the touching operation is forbidden, after finish checking,the key illumination will stop blinking and sent out a long sound of beep

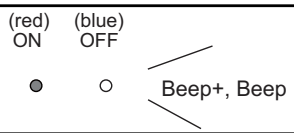
- The master code is allowed 1~12 digits,the same code cannot be set for both the user code and the master code,it is recommended that you modify the default master code.

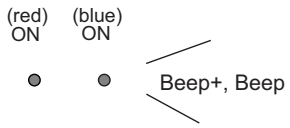
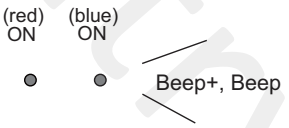
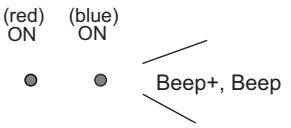
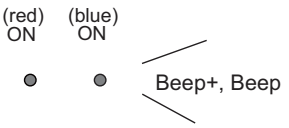
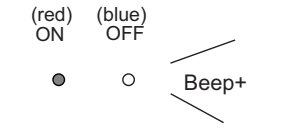
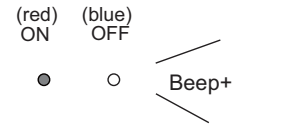
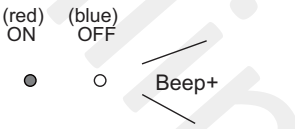
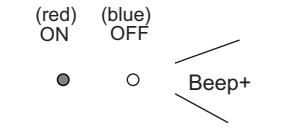
- If the key illumination time is set to 00,the key illumination will light up all the time when power on.
- If the key illumination time is set to 10~99,the key illumination will light up for 10~99 seconds.At this mode, the key illumination lights off in standby mode, touching any digital key can illuminate,but this is the invalid digital.

- The unlock time can be set on both monitor and door station, and the valid value is the number you set last time.

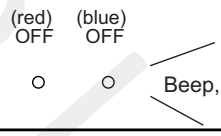
Discontinued

Input the master code.
(Default: [1 2 3 4] +[#])



5.Setting the unlock mode (Default：0(opened))	6.Setting operation tone (Default：ON)	7.Reset code setting	8.*&# function setting (Default：Normal)
Input the setting code. 04+#	Input the setting code. 05+#	Input the setting code. 06+#	Input the setting code. 07+#
			
0/1 Inputting of code (ex.: 1) range:0:(open)/1:(close) 1+#	0/1 Inputting of code (ex.: 1) range:0:(on)/1:(off) 1+#	Inputting of code 1234+#	0/1 Inputting of code (ex.: 1) range:0:(normal)/1:(reverse) 1+#
			

- **When the " * cancel" key is pressed, the LED lights off, the buzzer beeps, and the system exits the setting mode**
- **When there isn't any operation in 10s, the LED lights off, the buzzer beeps, and the system exits the setting mode**



- The unlock mode can be set on both monitor and door station, and the valid value is the number you set last time.

- When the operation tone is set to 0,pressing the digital keypad will sent out a sound of beep.
- When the operation tone is set to 1,pressing the digital keypad will blink one time.

- Cancel all the passwords except the master code.
- Restore the master code to default value(1,2,3,4)

- When the item is set to 0,press the * button to cancel the input, and press the # button to confirm the input.
- When the item is set to 1,press the # button to cancel the input, and press the * button to confirm the input .

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Input the master code.
(Default: [1 2 3 4] +[#])

(red) ON ● (blue) OFF ○ Beep+, Beep

9. Call tone setting
(Default：enable)

Input the setting code.
08+#

(red) ON ● (blue) ON ● Beep+, Beep

0/1

Inputting of code (ex.: 1)
range:0(enable)/1:(disable)
1+#

(red) ON ● (blue) OFF ○ Beep+

10.Interference resistant grade setting
(Default：2)

Input the setting code.
09+#

(red) ON ● (blue) ON ● Beep+, Beep

Inputting of code (ex.: 3)
range:0~5
3+#

(red) ON ● (blue) OFF ○ Beep+

- When the " * cancel" key is pressed, the LED lights off, the buzzer beeps, and the system exits the setting mode
- When there isn't any operation in 10s, the LED lights off, the buzzer beeps, and the system exits the setting mode

(red) OFF ○ (blue) OFF ○ Beep, Beep+

- If the item is set to 0,the unit will respond a call tone when pressing the "CALL" button.
- If the item is set to 1, the unit will have no responds when pressing the "CALL" button.

- The larger you set the interference resistant grade, the stronger it will be,but the sensitivity of the keypad will be more lower.
- The interference resistant grade setting also will activate the keypad checking.

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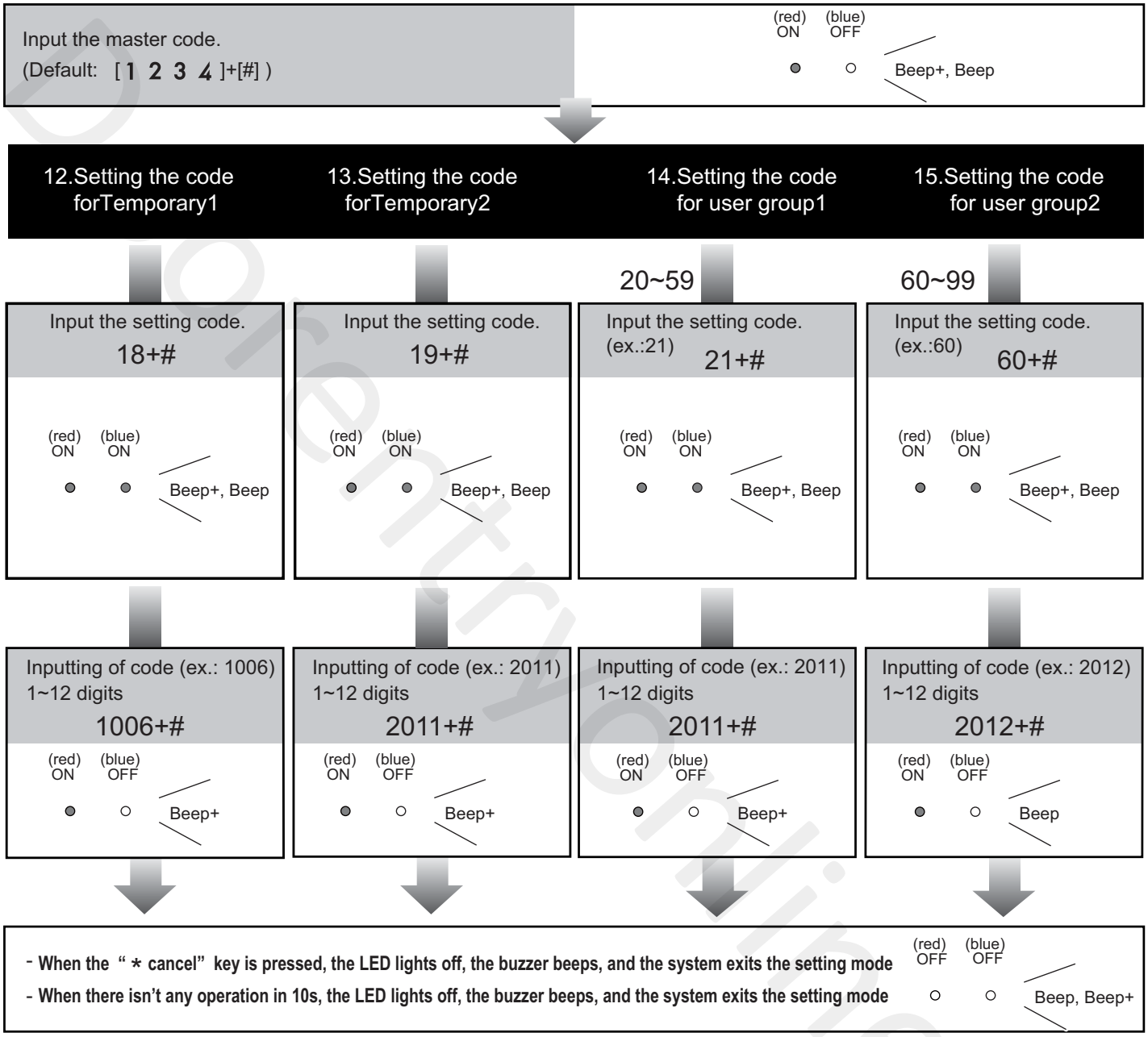

- When input the correct temporary password to release the door, the system will clear the temporary password after 60 seconds automatically.But you should know that the password is valid within 60 seconds after inputing the correct temporary password
- The temporary1 is used to release the first lock,and the temporary 2 is used to release the second lock.
- If the password length exceeds 12 digits, the system will sent out the sound of "beep,beep,beep,beep",and the digitals you input before will be cleared at the same time.
- The temporary code can not be set the same as the master code and user code.

- The user code group1 is used to release the first lock,and the user code group2 is used to release the second lock.
- The user code group1 and user code code group2 can contain 40 group passwords
- If the password length exceeds 12 digits, the system will sent out the sound of "beep,beep,beep,beep",and the digitals you input before will be cleared at the same time.
- The user code can not be set the same as the master code and temporary code.

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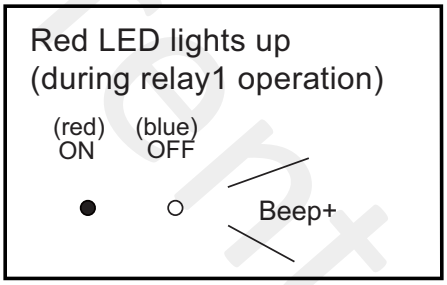
8.Unlock Operations

Unlocking of user code

When the registered user code has been input using the keypad (1~12 digits), the LED indicator (group 1: red, group 2: blue) lights up, the buzzer sounds,and the electric door strike is unlocked.

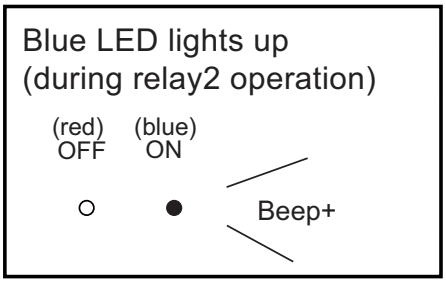
Example:group 1

2011



Example:group 2

2012



- The time interval during which the button must be pressed is approximately 10 seconds. If the time interval exceeds approximately 10 seconds, the input value will be cleared.
- If you make a mistake when inputting the user code,press the" cancel" button and input the user code again.
- When the "Lockout" function has been activated, the release function is forbidden and the input operation is disabled for 60 seconds if 10 times incorrect access codes are continuously attempted. ("Lockout" function:When "Lockout" is activated,the relay 2 doesn't respond the second lock but responds the LOCKOUT function.After continuously inputing incorrect access code 10 times,LOCKOUT output and the relay 2 will be closed for 60 seconds,the LED-relay 2 will be illuminated for 60 seconds) During this time,the buzzer will continuously sound about 8 times.
- You can activate the electric door strike by pressing the request to exit button connected to the unit. Pressing request to exit button 1 releases relay 1, and pressing request to exit button 2 releases relay 2.(The unlock function will work when the request to exit button is pushed, even while the "Lockout" function is operating.)

1. During calling,pressing "cancel" button can cancel the calling
2. If input the incorrect access code,the buzzer will sound of beep,beep,beep

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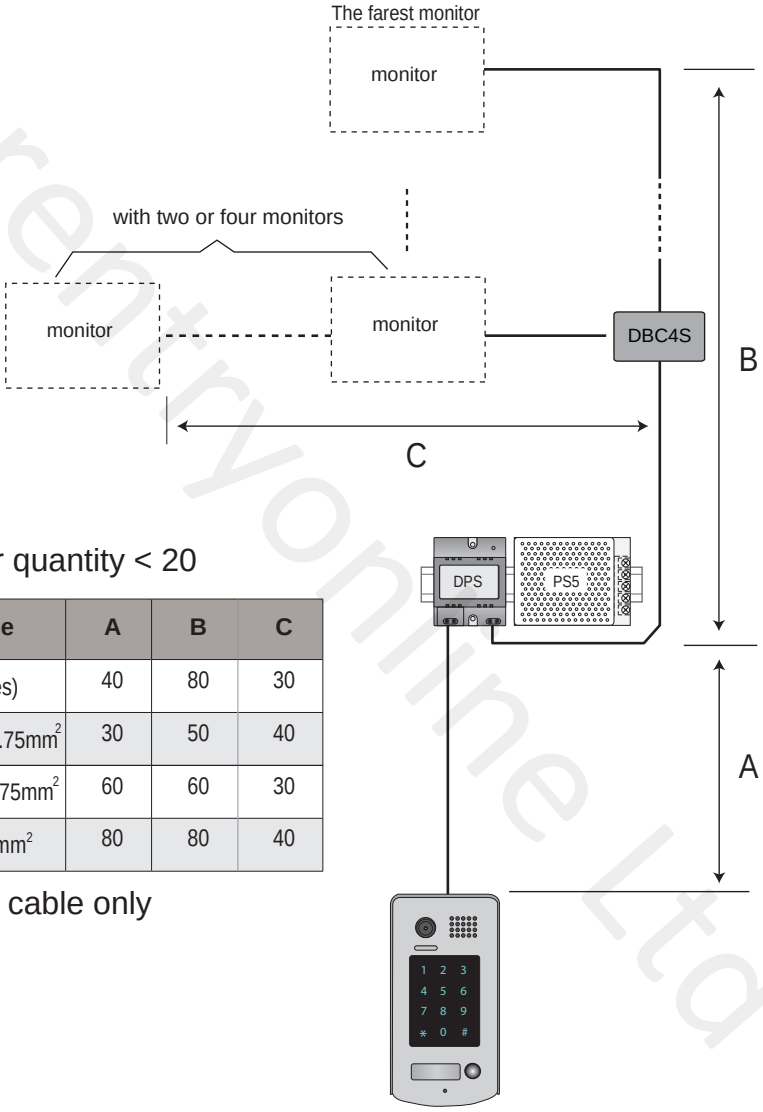
11.Cables Requirements

The maximum distance of the wiring is limited in the DT system. Using different cables may also affect the maximum distance which the system can reach.



When Monitor quantity < 20

Cable Usage	A	B	C
CAT5/6 (Paired wires)	40	80	30
Paralled cable 2 x 0.75mm^2	30	50	40
Twisted cable 2 x 0.75mm^2	60	60	30
Twisted cable 2 x 1mm^2	80	80	40

Non-shielded cable only

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